

What is claimed is:

1. A heat radiation shielding component dispersion
used to produce heat radiation shielding products,
5 which comprises:
fine particles of a hexaboride represented by XB_6 ,
wherein X is at least one selected from Y, La, Ce, Pr, Nd,
Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sr and Ca; and
a polymer type dispersant in which the fine
10 hexaboride particles are dispersed;
said hexaboride being a heat radiation shielding
component, and said polymer type dispersant being mixed
in the fine hexaboride particles in a proportion that the
polymer type dispersant is from 0.3 part by weight or
15 more to less than 50 parts by weight based on 1 part by
weight of the fine hexaboride particles; and
does substantially not contain any organic solvent.
2. The heat radiation shielding component
20 dispersion according to claim 1, wherein said fine
hexaboride particles are particles having an average
particle diameter of 1,000 nm or less.
3. The heat radiation shielding component
25 dispersion according to claim 1, wherein said polymer

type dispersant is at least one selected from a polyacrylate type dispersant, a polyurethane type dispersant, a polyether type dispersant, a polyester type dispersant and a polyester-urethane type dispersant.

5

4. The heat radiation shielding component dispersion according to claim 1, wherein said fine hexaboride particles have been surface-treated by coating with at least one selected from a silane compound, a titanium compound and a zirconia compound.

10

5. A process for preparing a heat radiation shielding component dispersion, which comprises:

adding a polymer type dispersant to a dispersion in which fine particles of a hexaboride represented by XB_6 , wherein X is at least one selected from Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sr and Ca, have been dispersed in an organic solvent, in a mixing proportion that the polymer type dispersant is from 0.3 part by weight or more to less than 50 parts by weight based on 1 part by weight of the fine hexaboride particles; and thereafter

15

20

removing the organic solvent.

25

6. The process for preparing a heat radiation

shielding component dispersion according to claim 1,
wherein said organic solvent is removed under reduced
pressure at 100°C or less.

5 7. A heat radiation shielding component dispersion
according to claim 1, 2, 3 or 4, having been prepared by
the process according to claim 5.

8. A heat radiation shielding film forming coating
10 liquid obtained by adding the heat radiation shielding
component dispersion according to claim 1, 2, 3 or 4, to
an organic solvent to dissolve its heat radiation
shielding component, and adding a binder component.

15 9. A heat radiation shielding film forming coating
liquid obtained by adding the heat radiation shielding
component dispersion according to claim 7, to an organic
solvent to dissolve its heat radiation shielding
component, and adding a binder component.

20

10. A heat radiation shielding film obtained by
coating a substrate with the heat radiation shielding
film forming coating liquid according to claim 8.

25 11. A heat radiation shielding film obtained by

coating a substrate with the heat radiation shielding film forming coating liquid according to claim 9.

12. A heat radiation shielding resin form obtained
5 by diluting and mixing the heat radiation shielding component dispersion according to claim 1, 2, 3 or 4, with a thermoplastic-resin form material, and forming the resulting mixture in a stated shape.

10 13. A heat radiation shielding resin form obtained by diluting and mixing the heat radiation shielding component dispersion according to claim 7, with a thermoplastic-resin form material, and forming the resulting mixture in a stated shape.

15 14. The heat radiation shielding resin form according to claim 12, wherein said thermoplastic-resin form material is at least one selected from a polycarbonate resin, a polyacrylate or -methacrylate
20 resin, a saturated polyester resin, a cyclic olefin resin, a polyimide resin, a polyether-sulfone resin and a fluorine resin.

15 15. The heat radiation shielding resin form according to claim 13, wherein said thermoplastic-resin

form material is at least one selected from a
polycarbonate resin, a polyacrylate or -methacrylate
resin, a saturated polyester resin, a cyclic olefin resin,
a polyimide resin, a polyether-sulfone resin and a
5 fluorine resin.